

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001735

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 F02D 41/30; F02D 41/38, F02D 28/00, F02B 1/06, F02B 1/08

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 F02D 42/30, F02B 1/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)

USPTO Full-Text and Image Database; Delphion; Canadian Database; Espacenet
Search terms such as: "Simulation", "injection", "cylinder pressure", "torque", "converged cylinder pressure", "converged intake flow"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	D1: EP 0 877 309 B1 (CHENG) 2000-06-21 (21-06-2000)	1-46
A	D2: US 6 286 482 (FLINN) September 11, 2001 (11-09-2001)	1-46

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international-type search
19 November 2004 (19-11-2004)

Date of mailing of the international-type search report
21 February 2005 (21-02-2005)

Name and mailing address of the ISA/CA
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/CA2004/001735

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
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		US6230683 B1	15-05-2001
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